Bruhat Bangalore Mahanagara Palike

Executive Engineer Yelahanka Division

Name of Work: Modified Estimate for Improvements To Roads and Drains At Deo Marvel Layout and Surrounding Area in Ward No-03

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work								
1	KSRRB 300-2. **Earthwork excavation** by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications								
		Cum							
	Deo Marvel Layout								
	13th Cross Rd LHS		1	102.10	1.00	0.90	91.89		
	13th Cross Rd RHS		1	75.10	1.00	0.90	67.59		
	12th Cross Rd LHS		1	64.60	1.00	0.90	58.14		
	Dead End Road LHS		1	144.50	1.00	0.90	130.05		
	5th Cross Rd LHS		1	126.10	1.10	0.90	124.84		
	3rd Main Rd LHS		1	40.10	1.10	0.90	39.70		
	4th Main Rd LHS		1	40.50	1.10	0.90	40.10		
	Patel Thayappa Rd LHS		1	119.50	1.10	0.90	118.31		
	Patel Thayappa Rd RHS		1	103.20	1.10	0.90	102.17		
	4th Cross Rd LHS		1	241.30	1.10	0.90	238.89		
	RCC Culvert		4	7.13	1.40	0.90	35.94		
							1047.60	**217.25**	**227590.71**
		Approved Amount		**217.25**					
2	KSRB 4-2.3 : Providing and laying in **position plain cement concrete of Mix 1:4:8** with OPC @ 280kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 25 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.								
		Cum							
	Deo Marvel Layout								
	13th Cross Rd LHS		1	102.10	1.00	0.15	15.32		
	13th Cross Rd RHS		1	75.10	1.00	0.15	11.27		
	12th Cross Rd LHS		1	64.60	1.00	0.15	9.69		
	Dead End Road LHS		1	144.50	1.00	0.15	21.68		
	5th Cross Rd LHS		1	126.10	1.10	0.15	20.81		
	3rd Main Rd LHS		1	40.10	1.10	0.15	6.62		
	4th Main Rd LHS		1	40.50	1.10	0.15	6.68		
	Patel Thayappa Rd LHS		1	119.50	1.10	0.10	13.15		
	Patel Thayappa Rd RHS		1	103.20	1.10	0.10	11.35		
	4th Cross Rd LHS		1	241.30	1.10	0.15	39.81		
	RCC Culvert		4	7.13	1.40	0.15	5.99		
							162.35	**5765.51**	**936037.47**
		Approved Amount		**5765.51**					

Sl No	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
3	Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 2500, 2700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm								
		Cum							
	Drain Raft								
	Deo Marvel Layout								
	13th Cross Rd LHS		1	102.10	0.80	0.15	12.25		
	13th Cross Rd RHS		1	75.10	0.80	0.15	9.01		
	12th Cross Rd LHS		1	64.60	0.80	0.15	7.75		
	Dead End Road LHS		1	144.50	0.80	0.15	17.34		
	5th Cross Rd LHS		1	126.10	0.90	0.15	17.02		
	3rd Main Rd LHS		1	40.10	0.90	0.15	5.41		
	4th Main Rd LHS		1	40.50	0.90	0.15	5.47		
	Patel Thayappa Rd LHS		1	119.50	0.90	0.15	16.13		
	Patel Thayappa Rd RHS		1	103.20	0.90	0.15	13.93		
	4th Cross Rd LHS		1	241.30	0.90	0.15	32.58		
	Drain Wall								
	Deo Marvel Layout								
	13th Cross Rd LHS		2	102.10	0.15	0.60	18.38		
	13th Cross Rd RHS		2	75.10	0.15	0.60	13.52		
	12th Cross Rd LHS		2	64.60	0.15	0.59	11.51		
	5th Cross Rd LHS		2	126.10	0.15	0.60	22.70		
	3rd Main Rd LHS		2	40.10	0.15	0.60	7.22		
	4th Main Rd LHS		2	40.50	0.15	0.60	7.29		
	Patel Thayappa Rd LHS		2	119.50	0.15	0.61	21.83		
	Patel Thayappa Rd RHS		2	103.20	0.15	0.60	18.58		
	4th Cross Rd LHS		2	241.30	0.15	0.61	44.16		
							302.08		
	RCC Culvert Raft		4	7.13	1.20	0.20	6.84		
	RCC Culvert Wall		8	7.13	0.30	0.60	10.27		
							17.11		
							319.19	**7523.73**	**2401493.25**
		Approved Amount		**7523.73**					
4	KSRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.								
		Tn							
	For Drain 65kg/cum			302.08	0.065		19.64		
	For Culvert 90kg/cum			17.11	0.090		1.54		
							21.18	**68071.58**	**1441422.31**
		Approved Amount		**68071.58**					
5	Providing and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								

Sl No	Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
		Sqm							
	Deo Marvel Layout								
	13th Cross Rd LHS		1	102.10	0.75		76.58		
	13th Cross Rd RHS		1	75.10	0.75		56.33		
	12th Cross Rd LHS		1	64.60	0.75		48.45		
	5th Cross Rd LHS		1	126.10	0.90		113.49		
	3rd Main Rd LHS		1	40.10	0.90		36.09		
	4th Main Rd LHS		1	40.50	0.90		36.45		
	Deduct Bs Slab		-67	0.60	0.90		-36.18		
	Patel Thayappa Rd LHS		1	119.50	0.90		107.55		
	Patel Thayappa Rd RHS		1	90.90	0.90		81.81		
	4th Cross Rd LHS		1	241.30	0.90		217.17		
							737.73	2445.67	1804244.13
		Approved Amount		2445.67					
6	Providing and fixing RCC **precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
		Sqm							
	RCC Culvert		4	7.13	1.20		34.22		
							34.22	5669.94	194048.03
		Approved Amount		5669.94					
								Total Construction Cost	7004835.89

Assistant Engineer
Ward 03
BBMP Bangalore

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore-560064

Technical Sanction
Accorded For ₹ 70,04,835.89
Head of A/C P 3075
CER NO : 47 Dt: 22.03.2021